Journal of the Indian Chemical Society
Vol. III. 1926.

INDEX OF AUTHORS

PAGE

BAKSI, Jagat Bandhu.—See Jnanendra Chandra GHOSH.

BARAT, Chittaranjan.—See Hemendra Kumar SEN.

BASU, Jyotikanta.—See Jnanendra Nath MUKHERJEE.

BAW, Hla.—The use of leucotrope as a benzylating agent 101

BHADURI, Dayananda, and Priyadaranjan RÂY.—The oxidizing action of alkaline ferricyanide and the composition of higher oxides of cobalt 213

BHARADWAJ, M. C.—See N. A. YAJNIK.

BOSE, Prafulla Kumar.—
Thiodiazines. Part III. Hydroxythiodiazines ... 148
Thiodiazines. Part IV 197

BOSE-RÂY, Kshitish Chandra.—See Prafulla Chandra RÂY.

CHATURVEDI, H. S. and E. R. WATSON.—A note on the variable tannin content of the wood of the Kumaon oak *(Quercus incana)* 211
See also E. R. WATSON.

CHAUDHURY, Subodh Gobinda and Priyanath KUNDU.—On the constitution of arsenious sulphide sol in presence or absence of arsenious acid 345
See also Jnanendra Nath MUKHERJEE.

DE, Mahendra Kumar.—See Praphulla Chandra GUHA.

DE, Pran Kumar.—See Anukul Chandra SIRCAR.

DE, Satis Chandra.—Synthesis in the pyrazolone series. Action of thiosemicarbazide and semicarbazide on ketonic esters. Part I 30

PAGE

DEY, Biman Bihari and Tiruvenkata Rajendra SESHADRI.—Quinolino-bromopyrones and their conversion into quinolino-furans 166

DEY, Biman Bihari, Indubhusan SARKAR and Tiruvenkata Rajendra SESHADRI.—Quinolino-6 : 5-α-pyrones ... 187

DUNNICLIFF, Horace Barratt and Suchdev SINGH.—The action of organic compounds on sodium hydrogen sulphate 91

DUTT, Sikhibhusan.—See Jamuna Dutt TEWARI.

GANGULY, Phani Bhusan.—Influence of the hydrolysis of gelatine on gold numbers and peptisation of other substances 177

GHOSH, Jnanendra Chandra and A. N. KAPPANNA.—The decomposition of potassium mangani-oxalate in plane polarised, circularly polarised and ordinary light... ... 127

GHOSH, Jnanendra Chandra and Munindra Nath MITRA.—The isomeric transformation of *allo*-cinnamylidene acetic acid into the normal form with iodine as photo-catalyst, in methyl alcohol solution. Part II ... 273

GHOSH, Jnanendra Chandra and Jagat Bandhu BAKSI.—Preparation of formaldehyde by the dehydrogenation of methyl alcohol : A study of various catalysts. Part I. 415

GHOSAL, Subimal Chandra.—Condensation of *o*-hydroxy aromatic aldehydes with ω-cyanacetophenone ... 105

GUHA, Bires Chandra.— See Prafulla Chandra RÂY.

GUHA, Praphulla Chandra and Mahendra Kumar DE.—*o*-Aminophenylhydrazine and some interesting heterocyclic compounds derived from it. Part II. Synthesis of azoles, azines, heptazines and octazines ... 41

GUPTA, D. N.—See E. R. WATSON.

IYER, M. P. Venkatarama.—See Jnanendra Nath MUKHERJEE.

JADHAV, Ganpat Vishram.—See Kuverji Gosai NAIK.

KAPPANNA, A. N.—The ionisation potential of hydrogen fluoride 59

See also Jnanendra Chandra GHOSH.

PAGE

KRISHNAMURTHY, P. V.—See Phuldeo Sahay VARMA.

KULKARNI, Dattatreya Anant.—See Phuldeo Sahay VARMA.

KUNDU, Priyanath.—See Subodh Gobinda CHAUDHURI, also Jnanendra Nath MUKHERJEE.

MEHROTRA, Moolraj and Kshitish Chandra SEN.—Simultaneous adsorption of ions from solution. Part I. Adsorption of metal ions by hydrated manganese dioxide 297

MENON, C. Kushirama.—See Phuldeo Sahay VARMA.

MITRA, Munindra Nath.—See Jnanendra Chandra GHOSH.

MITTER, Prafulla Chandra and Nripendra Nath SINHA.—Synthesis in the iminazole series: some derivatives of isiminazole. 401

MUKERJEE, K. C.—See E. R. WATSON.

MUKHERJEE, Jnanendra Nath and M. P. Venkatarama IYER.—Experiments on charge reversal by hydrogen and hydroxyl ions with insoluble organic acids and amines and reversal of the charge of hydrated silica and copper oxide by solutions of salts... 307

MUKHERJEE, Jnanendra Nath and Priyanath KUNDU.—Adsorption by polar precipitate. Part III. Electro-osmotic experiments with silver iodide. 335

MUKHERJEE, Jnanendra Nath, Subodh Gobinda CHAUDHURY and Sachindra Nath MUKHERJEE.—The influence of the dielectric constant of the medium on the rate of co-agulation of arsenious sulphide sol by electrolytes ... 349

MUKHERJEE, Jnanendra Nath and Jyoti Kanta BASU.—On the nature of hydrolytic adsorption. Part II. Adsorption of electrolytes by barium sulphate and liberation of acids and alkalis in presence of neutral salts. 371

MUKHERJEE, Sachindra Nath.—See Jnanendra Nath MUKHERJEE.

MULANY, H. M. and E. R. WATSON.—The preparation of camphor from pinene 253

— The pinene content of Indian turpentine. ... 258

See also E. R. WATSON.

PAGE

NAIK, Kuverji Gosai and Ganpat Vishram JADHAV.—Interaction of sulphur dichloride with substances containing the reactive methylene group or substituted methylene group. 260

PANICKAR, K. G. Rama.—See Phuldeo Sahay VARMA.

RAI, Raghunath.—See Bawa Kartar SINGH.

RAO, Madyar Gopal.—The essential oil from the flower-heads of *Perovskia atriplicifolia*, Benth 141

RÂY, (Sir) Prafulla Chandra.—The discovery of oxygen.... 1

RÂY, (Sir) Prafulla Chandra and Bires Chandra GUHA.—Synthesis of condensed heterocyclic systems: Interaction between 2: 5-dithiol-1: 3: 4-thiodiazole and some organic dihalides. 23

RÂY, (Sir) Prafulla Chandra and Kshitish Chandra BOSE-RAY.—On triethylene trisulphide and 1: 4-dithian ... 73

—Lengthened chain compounds of sulphur ... 77

RÂY, (Sir) Prafulla Chandra, Bires Chandra GUHA and Kshitish Chandra BOSE-RAY.—Varying valency of platinum with respect to mercaptanic radicles. Part III. 155

— Part IV. The inadequacy of Werner's theory to explain certain anomalous cases 358

RÂY, Priyadaranjan and Sourindra Nath RAY.—Complex iodates of tin and antimony. ... ...

RÂY, Priyadaranjan and Ramani Mohan RAY.—Metallic compounds of rubeanic acid 118

See also Dayananda BHADURI.

SARKAR, Indubhusan.—See Biman Bihari DEY.

SEN, H. D.—See E. R. WATSON.

SEN, Kshitish Chandra.—On the stability of colloidal solutions. Part V. The effect of similarly charged ions as a factor in electrolyte antagonism in the coagulation of sols, and the mechanism of stabilisation 81

See also Moolraj MEHROTRA.

SEN, Hemendra Kumar and Chittaranjan BARAT.—Pseudo-urethanes. Part I. 405

PAGE

SESHADRI, Tiruvenkata Rajendra.—See Biman Bihari DEY.

SHARMA, R. K.—See N. A. YAJNIK.

SINGH, Bawa Kartar and Raghunath RAI.—Studies on the dependence of optical activity on chemical constitution. Part VII. Stereoisomeric aryl derivatives of imino- and bisimino-camphor and their absorptive spectra ... 389

SINGH, Suchdev.—See Horace Barratt DUNNICLIFF.

SINHA, Nripendra Nath.—See Prafulla Chandra MITTER.

SIRCAR, Anukul Chandra and Pran Kumar DE.—Studies in ring formation. 245

TEWARI, Jamuna Datt and Sikhibhushan DUTT.—Dyes derived from β-phenylpyridine dicarboxylic acid ... 161

VARMA, Phuldeo Sahay and Dattatreya Anant KULKARNI.—Halogenation. Part I. Iodination ... 291

VARMA, Phuldeo Sahay and P. V. KRISHNAMURTHY.—Nitration. Part II. Simultaneous diazotisation and nitration of aromatic amino-compounds 323

VARMA, Phuldeo Sahay and C. Kushirama MENON.—Nitration. Part III. Nitration of naphthalene ... 328

VARMA, Phuldeo Sahay and K. G. Rama PANICKAR.—Halogenation. Part II. Direct iodination in presence of sodium nitrite and fuming sulphuric acid ... 342

WATSON, E. R., K. C. MUKERJEE, the late D. N. GUPTA, and H. S. CHATURVEDI.—The recovery of sucrose from cane-sugar molasses 229

WATSON, E. R. and H. M. MULANY.—A note on the bleaching of shellac 255

WATSON, E. R. and H. D. SEN.—The manufacture of strychnine and brucine from *Nux Vomica*... ... 397

See also H. S. CHATURVEDI and H. M. MULANY.

YAJNIK, N. A., R. K. SHARMA and M. C. BHARADWAJ.—The relation between the surface tension and vapour pressure of binary mixtures 63

Journal of the Indian Chemical Society
Vol. III. 1926.

INDEX OF SUBJECTS.

A

PAGE

Absorptive spectra of imino- and bisimino-camphor (SINGH and RAI) 389

Acenaphthenequinone-*o*-nitrophenyl hydrazone (GUHA and DE) 54

Acetaldehyde-*o*-nitrophenylhydrazone (GUHA and DE) ... 52

Acetoacetic ester semicarbazone (DE) 36

———— thiosemicarbazone (DE) 32

Adsorption by polar precipitate (MUKHERJEE and KUNDU) 335

———— of metal ions by hydrated manganese dioxide (MEHROTRA and SEN) 297

———— of electrolytes by barium sulphate (MUKHERJEE and BASU) 371

Amino compounds, aromatic, simultaneous diazotisation and nitration of (VARMA and KRISHNAMURTHY) ... 323

Anthraquinone-*o*-nitrophenylhydrazone (GUHA and DE) ... 54

Arsenious sulphide sol, constitution of (CHAUDHURY and KUNDU) 345

Azobenzene-*p* : *p*′-bis (3 : 4-dihydroxy) phenyl azomethine (SIRCAR and DE) 252

———— -*p* : *p*′-bis (hydroxy) phenylazomethine (SIRCAR and DE) 252

B

Barium sulphate, adsorption of electrolytes by (MUKHERJEE and BASU) 371

PAGE

4-Benzeneazo-3-methylpyrazolone-1-carbamide (De) ... 39

——— thiocarbamide (De) 35

Benzidine-bis (*p*-methoxy) phenyl azomethine (Sircar and De) 251

Benzil-*o*-nitrophenyl hydrazone (Guha and De) ... 56

2 : 3-Benzo-5 : 6-acenaphtha-1 : 4 : 7-heptatriazine (Guha and De) 48, 54

——— -5 : 6-diphenyl-1 : 4 : 7-heptatriazine (Guha and De) 47

——— -6 : 7-methylbenzo-4 : 5-dihydro-1 : 4 : 5-heptatriazine (Guha and De) 50

——— -5 : 6-phenanthra-1 : 4 : 7-heptatriazine (Guha and De) 49

Benzo-heptatriazine compounds with alloxan and isatin (Guha and De) 48

Benzyl-chlorophenyl ether, *o*-, *m*-, and *p*- (Baw) ... 104

Benzyl-2 : 4-dichlorophenylether (Baw) 104

Benzylating agent, use of leucotrope as (Baw) ... 101

Bleaching of shellac (Watson and Mulany) 255

Boiling point, variation in, of a mixture of naphthalene and α-nitronaphthalene (Varma and Menon) ... 330

3-Bromo-6-aminocoumarin (Dey and Seshadri) ... 173

4-Bromo-3-methylpyrazolone-1-thiocarbamide (De) ... 34

Brucine, manufacture of, from *Nux vomica* (Watson and Sen) 397

C

Camphor, from pinene, preparation of (Mulany and Watson) 253

Cane-sugar molasses, recovery of sucrose from (Watson, Mukerjee, Gupta and Chaturvedi) 229

Catechol-β-phenyl-pyridine-dicarboxylein (Tewari and Dutt) 163

Chain compounds of sulphur (Ray and Bose-Ray) ... 75

PAGE

Charge reversal by hydrogen and hydroxyl ions (MUKHERJEE and IYER) 307
Chemical constitution, dependence of optical activity on (SINGH and RAI) 389
Chloralaceto-naphthone (SEN and BARAT) 411
——— toluone (SEN and BARAT) 410
——— veratrone (SEN and BARAT) 412
Chloroformamide, action on chloral acetophenone and other substances (SEN and BARAT) 409
allo-Cinnamylidene acetic acid, isomeric transformation of (GHOSH and MITRA) 273
Coagulation of arsenious sulphide sol, rate of (MUKHERJEE, CHAUDHURY and MUKHERJEE) 349
Cobalt rubeanate (RÂY and RAY) 124
Colloidal solutions, stability of (SEN) 81
Complex iodates of tin and antimony (RÂY and RAY) ... 110
Condensation of *o*-hydroxy aromatic aldehydes with ω-cyanacetophenone (GHOSAL) 105
Constitution of arsenious sulphide sol (CHAUDHURY and KUNDU) 345
Copper rubeanate (RÂY and RAY) 121
ω-Cyanacetophenone, condensation with hydroxy aldehydes (GHOSAL) 105

D

Dehydrogenation of methyl alcohol (GHOSH and BAKSI) ... 415
Diacetylmonoxime-*o*-nitrophenylhydrazone (GUHA and DE) 56
2:3:6:7-Dibenzo-4:5-dihydro-1:4:5-heptatriazine (GUHA and DE) 49
2:3:7:8-Dibenzo-1:5:6-octatriazine (GUHA and DE) ... 53
2:3:7:8-Dibenzo-octa-1-oxy-5:6-diazine (GUHA and DE) 53
4:4-Dibromo-3-methylpyrazolone-1-carbamide (DE) ... 38
—— -1-thiocarbamide (DE) 34

PAGE

Dielectric constant, influence of, on the rate of coagulation of arsenious sulphide sol (MUKHERJEE, CHAUDHURY and MUKHERJEE) 349
Dihydroxy-tetraiodato stannic acid (RÂY and RAY) ... 111
2:4-Dimethylquinolino-6:5-*a*-pyrone (DEY, SARKAR and SESHADRI) 194
— 1:2:3:4-tetrahydro-derivative (DEY, SARKAR and SESHADRI) 196
Diphenyl-dinitrodiphenyl-osotetrazine (?) (GUHA and DE) 56
Diphthalyl-4:4-diaminoazobenzene (SIRCAR and DE) ... 251
1:4-Dithian (RÂY and BOSE-RAY) 73
2:5-Dithiol-1:3:4-thiodiazole, condensation with organic dihalides (RÂY and GUHA) 23
Dyes, from β-phenylpyridine-dicarboxylic acid (TEWARI and DUTT) 161

E

Electro-osmotic experiments with silver iodide (MUKHERJEE and KUNDU) 335
Essential oil, from *Perovskia Atriplicifolia*, Benth (RAO) 141
2-Ethylthiol-4:5-diphenyl-1:3:4-thiodiazine (BOSE) 208, 209
2-Ethylthiol-4-phenyl-5-*p*-tolyl-1:3:4-thiodiazine (BOSE) ... 209

F

Ferricyanide, alkaline, oxidising action of (BHADURI and RÂY) 213
Formaldehyde, preparation of (GHOSH and BAKSI) ... 415

G

Gold numbers, influence of the hydrolysis of gelatine on (GANGULY) 177

H

PAGE

Halogenation (VARMA) 291, 342
Heterocyclic systems, synthesis of condensed (RÂY and GUHA) 23
Hydrogen fluoride, ionisation potential of (KAPPANNA) ... 59
Hydrolysis of gelatine, influence of, on gold numbers and peptisation (GANGULY) 177
Hydrolytic adsorption, nature of (MUKHERJEE and BASU) 371
o-Hydroxy aromatic aldehydes, condensation with ω-cyan-acetophenone (GHOSAL) 105
7-Hydroxy-3-benzoyl coumarin (GHOSAL) 108
Hydroxyquinol-β-phenylpyridine dicarboxylein (TEWARI and DUTT) 164
Hydroxythiodiazines (BOSE) 148

I

Iminazole series, synthesis in (MITTER and SINHA) ... 401
Imino- and bis-iminocamphor, absortive spectra of the aryl derivatives of (SINGH and RAI) 389
Indian turpentine, pinene content of (MULANY and WATSON) 258
Interaction of sulphur dichloride with substances containing the reactive methylene group (NAIK and JADHAV)... 260
Iodination (VARMA and KULKARNI) 291
Iodination (VARMA and PANICKAR) 342
Iodine as photo-catalyst (GHOSH and MITRA) 273
Iodobenzene (VARMA and KULKARNI) 294
Iodotoluene (VARMA and KULKARNI) 295
Ionisation potential of hydrogen fluoride (KAPPANNA) ... 59
Isatin-*o*-phenylene dihydrozone (GUHA and DE) ... 49
Isiminazole, derivatives of (MITTER and SINHA) ... 401
Isomeric transformation of *allo*-cinnamylidene acetic acid (GHOSH and MITRA) 273

K

PAGE

Kumaon oak, tannin content of the wood of (CHATURVEDI and WATSON) 211
Ketonic esters, action of semi- and thiosemi-carbazides on (DE) 30

L

Leucotrope as a benzylating agent (BAW) 101

M

Manganese dioxide, hydrated, adsorption of metal ions by (MEHROTRA and SEN) 297
Mechanism of stabilisation of colloidal solutions (SEN) ... 81
Metallic compounds of rubeanic acid (RÂY and RAY) ... 118
μ-Methylbenziminazole (GUHA and DE) 52
2-Methyl-7 : 8-benzoquinolino-6 : 5-*α*-4′-methylpyrone (DEY, SARKAR and SESHADRI)) 193
8-Methyl-3-benzoylcoumarin (GHOSAL) 107
7-Methyl-3-benzoylcoumarin (GHOSAL) 108
p-Methyl-*ω*-bromacetophenone, preparation of (BOSE) ... 205
trans-*p*-Methylphenacyl methylphenyldithiocarbazinate (BOSE) 205
—ethyl derivative (BOSE) 206
cis-*p*-Methylphenacyl methylphenyldithiocarbazinate (BOSE) 207
—ethyl derivative (BOSE) 207
3-Methylpyrazolone-1-carbamide (DE) 37
3-Methylpyrazolone-1-carbonyl-*β*-amidocrotonic ester (DE) 40
3-Methyl*iso*pyrazolone hydrochloride (DE) 38
3-Methylpyrazolone-1-thiocarbamide (DE) 33
3-Methyl*iso*pyrazolone-1-thiocarbamide hydrochloride (DE) 34
3-Methylpyrazolone-1-thiocarbonyl-*β*-amidocrotonic ester (DE) 35
2-Methylquinolino-6 : 5-*a*-3-bromopyrone (DEY and SESHADRI) 173
—methiodide and other derivatives (DEY and SESHADRI) 174

PAGE

2-Methylquinolino-6:5-furan (DEY and SESHADRI) ... 175
——— *a*-carboxylic acid (DEY and SESHADRI)... ... 175
2-Methylquinolino-6:5-*a*-pyrone (DEY and SESHADRI) ... 190
2-Methyl-1: 2: 3: 4-tetrahydro-quinolino-6: 5-*a*-3-bromo-pyron (DEY and SESHADRI) 174
——— 6: 5-*a*-pyrone (DEY and SESHADRI) ... 192
2-Methyl-1: 2: 3: 4-tetrahydro-7: 8-benzoquinolino-6: 5-*a*-4'-methyl pyrone (DEY, SARKAR and SESHADRI) ... 194
2-Methylthiol-4: 5-diphenyl-1: 3: 4-thiodiazine (BOSE) 207, 208
2-Methylthiol-4-phenyl-5-*p*-tolyl-1: 3: 4-thiodiazine (BOSE) 209
Methylene group, reactive, interaction of sulphur dichloride with (NAIK and JADHAV) 260

N

Naphthalene, nitration of (VARMA and MENON) ... 328
a-Naphthoquinone-*θ*-nitrophenyl hydrozone (GUHA and DE) 55
Nickel rubeanate (RÂY and RAY) 121
Nitration (VARMA and KRISHNAMURTHY) 323
——— (VARMA and MENON) 328
o-o'-Nitroaminohydrazobenzene (GUHA and DE) ... 57
o-Nitrobenzaldehyde-*o*-nitrophenyl hydrazone (GUHA and DE) 52
o-Nitrobenzyldithiocarbazinate (BOSE) 151
6-Nitro-3-benzoylcoumarin (GHOSAL) 107
1-Nitrophenyl-3: 4-dimethyl-1: 2: 5-osotriazole (GUHA and DE) 56
4-*iso*Nitroso-3-methylpyrozolone-1-carbamide (DE) ... 39
——— -1-thiocarbamide (DE) 35
Nux Vomica, manufacture of strychnine and brucine from (WATSON and SEN) 397

O

Optical activity, dependence on chemical constitution (SINGH and RAI) 389

PAGE

Oxalo-*o*-nitrophenylhydrazide (GUHA and DE) ... 57
Oxalyl-4 : 4′-diaminoazobenzene (SIRCAR and DE) ... 251
Oxides of cobalt, composition of higher (BHADURI and RÂY) 213
Oxidising action of alkaline ferricyanide (BHADURI and RÂY) 213
Oxygen, discovery of (RÂY) 1

P

Peptisation, influence of hydrolysis of gelatine on (GANGULY) 177
Perovskia atriplicifolia, Benth, essential oil from the flowerheads of (RAO) 141
trans-Phenacyl-dithiocarbazinates, methyl-, ethyl-, *n*-propyl-, (BOSE) 203-205
cis-Phenacyl-dithiocarbazinates, methyl-, ethyl-, *n*-propyl-, benzyl-, (BOSE) 206-207
Phenanthraquinone-*o*-nitrophenylhydrozone (GUHA and DE) 55
Phenanthra-*o*-phenylene dihydrazone (GUHA and DE) ... 49
Phenol-β-phenylpyridine dicarboxylein (TEWARI and DUTT) 162
2-Phenyl-4 : 5-dioxo-4 : 5-dihydro-iminazole (MITTER and SINHA) 402
2-Phenyl-4-chloro-5-oxo-isiminazole (MITTER and SINHA) ... 402
β-Phenylpyridine dicarboxylic acid, dyes derived from (TEWARI and DUTT) 161
m- Phenylenediamine-β-phenylpyridine dicarboxylein (TEWARI and DUTT) 165
o-Phenylene-semimalonamazide (GUHA and DE) ... 51
————semioxamazide (GUHA and DE) 50
————thiocarbohydrazide (GUHA and DE) 51
Phloroglucinol-β-phenylpyridine diacarboxylein (TEWARI ann DUTT) 164
Photo-catalysis by iodine, phenomenon of (GHOSH and MITRA) 288
Pinene, preparation of camphor from (MULANY and WATSON) 253

PAGE

———content of Indian turpentine (MULANY and WATSON) 258
Platinum, varying valency of (RÂY, GUHA and BOSE-RAY) 155, 358
Polar precipitate, adsorption by (MUKHERJEE and KUNDU) 335
Potassium mangani-oxalate, decomposition of, by light (GHOSH and KAPPANNA) 127
Preparation of camphor (MULANY and WATSON) ... 253
———formaldehyde (GHOSH and BAKSI) 415
———*o*-methyl-ω-bromacetophenone (BOSE) ... 205
———iodobenzene and iodotoluene (VARMA and KULKARNI) 204
n-Propylphenyldithiocarbazinate (BOSE) 224
2-*n*-Prophylthiol-4 :5-diphenyl-1 :3 :4-thiodiazine (BOSE) ... 209
Pseudo-urethanes (SEN and BARAT) 405

Q

Quercus incana, tannin content of the wood of (CHATURVEDI and WATSON) 211
Quinolino-6 :5-α-3-bromopyrone (DEY and SESHADRI) ... 168
———6 :5-furan (DEY and SESHADRI) 171
———carboxylic acid (DEY and SESHADRI) ... 170
———6 :5-α-pyrones (DEY and SESHADRI) 187

R

Resorcinol-β-phenylpyridine dicarboxylein (TEWARI and DUTT) 163
Reversal of charge of hydrogen and hydroxyl ions (MUKHERJEE and IYER) 307
Ring formation, studies in (SIRCAR and DE) ... 245
Rubeanic acid, metallic compounds of (RÂY and RAY) ... 118

S

PAGE

Salicylaldehyde-*o*-nitrophenylhydrazone (GUHA and DEY) 53
Shellac, bleaching of (WATSON and MULANY) ... 255
Sodium hydrogen sulphate, action of organic compounds (DUNNICLIFF and SINGH) 91
Stanni-iodic acid and its salts (RÂY and RAY) ... 112
Stereoisomeric derivatives of imino- and bisimino-camphor (SINGH and RAI) 389
Strychnine, manufacture of (WATSON and SEN) ... 397
Surcose, recovery of, from molasses (WATSON, MUKERJEE, GUPTA and CHAUTRVEDI) 229
Sulphur dichloride, action of, on reactive methylene groups (NAIK and JADHAV) 260
Surface tension, relation between, and vapour pressure (YAJNIK, SHARMA and BHARADWAJ) 63

T

Tannin content of Kumaon oak (CHATURVEDI and WATSON) 211
Tetra-aquo-diammino-tri-rubeanato-dicobalt (RÂY and RAY) 125
2 :4 :2′ :4′-Tetramethyl azoquinoline (SIRCAR and DE) ... 250
1 :2 :3 :4-Tetrahydroquinolino-6 :5-*a*-3-bromopyrone (DEY and SESHADRI) 169
Tetrahydroxy-di-iodato-stannic acid (RÂY and RAY) ... 114
2-*p*-Tolyl-4-chloro-5-oxo-isiminazole (MITTER and SINHA,) 404
2-*p*-Tolyl-4 :5-dioxo-dihydro-iminazole (MITTER and SINHA) 403
Triethylene trisulphide (RÂY and BOSE-RAY) 73
Trihydroxy-triiodato antimonic acid (RÂY and RAY) ... 115
2-Thiobenzyl-5-hydroxy-1 :3 :4-thiodiazine (BOSE) ... 150
——6-methyl- and 6-carbethoxy derivatives (BOSE) ... 152
2-Thiobenzyl-5-methoxy-1 :3 :4-thiodiazine (BOSE) ... 151
2-Thio-*o*-nitrobenzyl-5-hydroxy-1 :3 :4-thiodiazine (BOSE) ... 151
2-Thio-*p*-nitrobenzyl-5-hydroxy-1 :3 :4-thiodiazine (BOSE) ... 152
2-Thiol-5-hydroxy-1 :3 :4-thiodiazine disulphide (BOSE) ... 152
2-Thiol-1 :3 :4-thiodiazole-5-thiolacetic acid (BOSE) ... 154

V

PAGE

Vapour pressure, relation between, and surface tension (YAJNIK, SHARMA and BHARADWAJ) 63

Valency, varying, of platinum (RÂY, GUHA and BOSE-RAY) 155, 358

W

Werner's theory, inadequacy of (RÂY, GUHA and BOSE-RAY) 358